MONTIGO®

Installation Operation & Maintenance

H-Series BF

Gas Fireplace

H34BF

H38BF

H42BF

Safety Notice:
Glass doors on gas fireplaces are extremely hot while the fireplaces is on and remain hot even after the fireplace has been turned off. Safety screens are available and can reduce the risks of severe burns. Please keep children away from the fireplace at all times.

Warning:
Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

For Your Safety:
Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

- *Check local codes and read all instructions prior to installation.*
- *Leave this manual with the owner.*

What To Do If You Smell Gas:
- *Do not try to light any appliance.*
- *Do not touch any electrical switch; do not use any phone in your building.*
- *Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.*
- *If you cannot reach your gas supplier, call the fire department.*

CERTIFIED

DESIGN CERTIFIED

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CAUTIONS

Due to its high operating temperatures, the appliance should be located out of traffic & away from furniture and draperies.

- Children and adults should be alerted to the hazards of the high surface temperature, which could cause burns or clothing ignition.
- Young children should be carefully supervised when they are in the same room as the appliance.
- Clothing or other flammable materials should not be placed on or near the appliance.

Introduction

Thank You for choosing a Montigo Gas Fireplace.

About this Fireplace:

The **H-Series BF** is a fireplace with a pan-style burner and glowing embers. This fireplace is available in two models.

The **H34BF** is rated for Natural Gas at 18,000 BTU/H (5.28 Kilowatts) Input or Propane at 18,000 BTU/H (5.28 Kilowatts) Input.

- **H34BF;** Top Vent, Millivolt Pilot.
- **H34BF-I;** Top Vent, Intermittent Pilot (HSI).
- **H34BF-A;** Top Vent, Electronic Ignition (American Flame).

The **H38BF** is rated for Natural Gas at 26,000 BTU/H (7.62 Kilowatts) Input or Propane at 26,000 BTU/H (7.62 Kilowatts) Input.

- **H38BF;** Top Vent, Millivolt Pilot.
- **H38BF-I;** Top Vent, Intermittent Pilot (HSI).
- **H38BF-A;** Top Vent, Electronic Ignition (American Flame).

The **H42BF** is rated for Natural Gas at 34,000 BTU/H (9.97 Kilowatts) Input or Propane at 28,000 BTU/H (9.97 Kilowatts) Input.

- **H42BF;** Top Vent, Millivolt Pilot.
- **H42BF-I;** Top Vent, Intermittent Pilot (HSI).
- **H42BF-A;** Top Vent, Electronic Ignition (American Flame).

How to use this manual:

This manual covers installation, operation and maintenance. Lighting, operation and care of this fireplace can be easily performed by the homeowner. However, all installation and service work should be performed by a qualified or licensed installer, plumber, or gasfitter who is qualified or licensed by the state, province, region, or governing body in which the appliance is being installed.

This manual covers all models and unless otherwise specified, the designation **H-Series BF** refers to all models. Sections which are specific to a particular model are marked with a ⬬ symbol, plus the appropriate model number.

Warranty and Installation Information:

The Montigo warranty will be voided by, and Montigo disclaims any responsibility for, the following actions:

- Modification of the fireplace and/or components including Direct-Vent assembly or glass doors.
- Use of any component part not manufactured or approved by Montigo in combination with this Montigo fireplace system.
- Installation other than as instructed in this manual.

Consult your local Gas Inspection Branch on installation requirements for factory-built gas fireplaces. Installation & repairs should be done by a qualified contractor.

Installations in Canada must conform to the current **CAN/CGA B-149.1** and **.2** Gas Installation Code and local regulations. If the optional air-circulating fan kit is installed, it must be electrically grounded in accordance with **CSA C22.1** Canadian Electrical Code Part 1 and/or Local Codes.

Installations in the USA must conform to local codes, or in the absence of local codes to the National Fuel Gas Code, **ANSI Z223.1-1988**. If the optional air-circulating fan is installed, it must be grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, **ANSI/NFPA 70-1987.**

Part No. XG0145

Installation

Installing The Fireplace Shell

The fireplace may be installed in any location that maintains proper clearances to air conditioning ducts, electrical wiring and plumbing. Safety, as well as efficiency of operation, must be considered when selecting the fireplace location. Try to select a location that does not interfere with room traffic, has adequate ventilation, and offers an accessible pathway for Direct Vent installation. Refer to page 4 - *Vent Installation* for more information.

The fireplace dimensions are shown below:

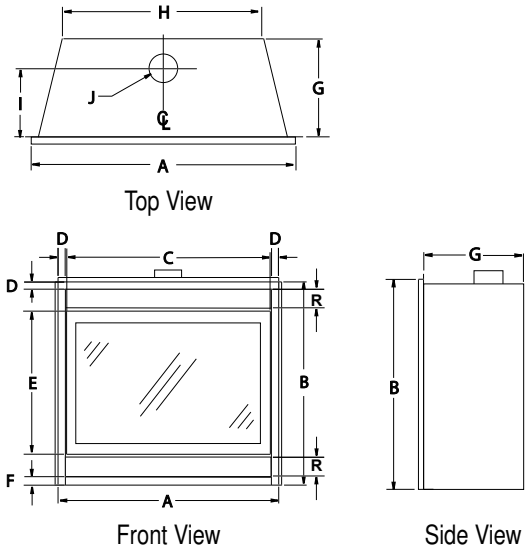


Figure 1. *Fireplace dimensions.*

	A	B	C	D	E	F	G	H	I	J
H34BF	33 7/8	33 1/2	31 1/8	1 1/4	21 1/2	1	17 3/8	21 7/8	10	4
H38BF	37 3/4	36 1/2	34 3/4	1 1/4	24 1/2	1	18 1/2	25	11 1/2	4
H42BF	42	40 5/8	39	1 1/4	28 5/8	1	20	28	12 1/2	4

Clearances

These clearances apply to all dimensions *except the framed opening*, where the clearance to combustibles is **0"**. The **H-Series BF** clearances to combustible materials are:

	H34BF	H38BF	H42BF
Top - Ceiling	8 Feet	8 Feet	8 Feet
Back	2"	2"	2"
Sides	1"	1"	1"
Floor	0"	0"	0"
Mantle**	4"	4"	4"
Flue	1"	1"	1"

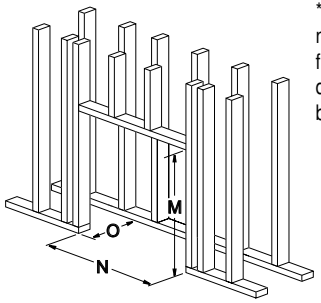
* Clearance from the top of the fireplace to a combustible ceiling within the fireplace enclosure.

** Refer to page 11.

Unprotected combustible walls which are perpendicular to the fireplace opening, must not project beyond the shaded area shown in Figure 25.

For protection against freezing temperatures, it is recommended that outer walls of the chase be insulated with a vapor barrier. This will reduce the possibility of a cold-air convection current on the fireplace.

Framing



* When sheetrock is not used behind the fireplace, framing depth may be reduced by 5/8"

Figure 2. *Framing dimensions.*

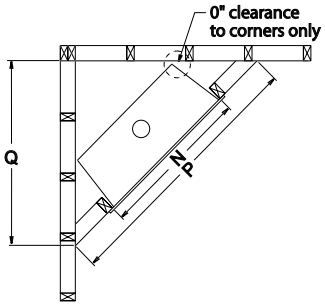


Figure 3. *Minimum Corner framing dimensions.*

	M	N	O	P	Q	R
H34BF	39 1/4	33 3/4	20	56 5/8	40	4 1/4
H38BF	42 1/4	37 3/4	21 1/8	62	43 7/8	4 1/4
H42BF	46 3/8	42	22 5/8	68	48 1/8	4 1/4

WARNING:

When this appliance is installed directly on carpeting, tile or any combustible material other than wood flooring, it must be installed on a metal or wood panel extending the full width and depth of the appliance.

Installation

Installing The Gas Line

The gas line must be installed before finishing the H-Series BF Fireplace. **Natural Gas** requires a minimum inlet gas supply pressure of 5.5" W.C. & a manifold pressure of 3.5" W.C. **Propane Gas** requires a minimum inlet gas supply pressure of 11" W.C. & a manifold pressure of 10" W.C. Provision must also be made for a 1/8" N.P.T. plugged tapping and be accessible for test gauge connection immediately upstream of the gas supply controls to the appliance. The fireplace gas connection and the main operating gas valve is located behind the removable trim at the bottom of the unit and need only be attached to the gas line with an approved fitting, as required by the **applicable installation codes**.

To access the fireplace gas connection the main burner must be removed as shown below in figure 4b.

• Only use gas shut-off valves approved for use by the state, province, region, or governing body, in which the appliance is being installed, or as required by the applicable installation codes.

• Flexible gas connectors must not exceed 3 feet in length, unless it is allowable within applicable installation codes.

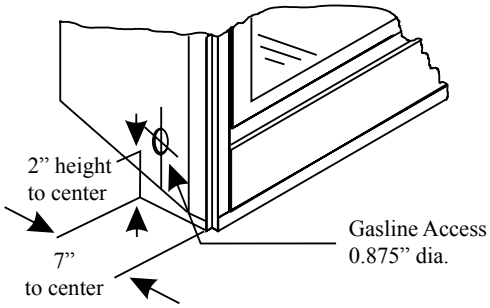


Figure 4a. *Gas line access.*

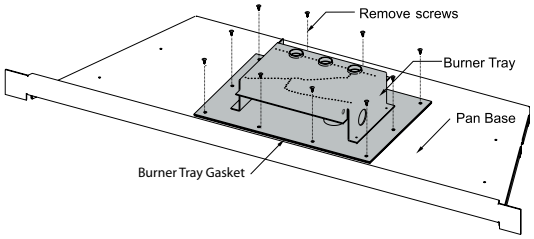


Figure 4b. *Gas line access.*

The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

Note: After gas line is connected, **each *appliance connection, valve and valve train*** must be checked while under normal operating pressure with either a liquid solution, or leak detection device, to locate any source of leak. Tighten any areas where bubbling appears or leak is detected until bubbling stops completely or leak is no longer detected. **DO NOT use a flame of any kind to test for leaks.**

Vent Installation

The **H-Series BF** is certified for use with standard **4" B-Vent** and requires no B-Vent appliance connector. Simply attach the B-Vent to the fireplace flue collar, and secure it using 1/4" sheet metal screws.

Refer to the current **CAN/CGA B-149.1** and **.2** or **ANSI Z223.1-1998 Gas Installation Code** for specific vent sizing.

Note: If more than 12 feet of B-Vent is used on the vent runs, use ceiling supports.

Cautions:

- Test your B-Vent installation after completion to ensure that no combustible by products are spilling from the fireplaces opening. This draft test should be performed after a three(3) minute warm up period. The manufacturer will not be responsible for any installations with inadequate draw.

Note: Due to the top vent clearances to combustible materials there is no available shelf installation for the **H-Series BF** fireplaces.

Installing The Standoffs

To avoid elevated mantel temperatures, all H-Series BF gas fireplaces are required to have the supplied standoffs installed. The fireplace is supplied with two standoffs. Bend and install these standoffs on top of the fireplace ensuring that the height of the standoff maintains a 6" clearance.

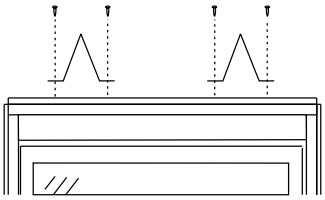


Figure 5. *Installing the standoff's.*

Installing the Nailing Flange Extension H38BF H42BF

Once the fireplace is placed into the framed opening, the supplied nailing extension must be placed along the top edge of the fireplace, and nailed in place to the framing, as illustrated below.

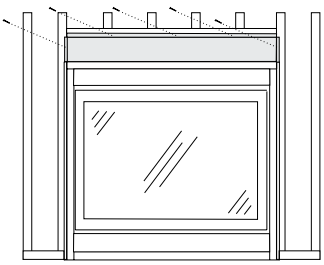


Figure 6. *Installing the Nailing Flange Extension.*

Part No. XG0145

Installation

Installing The Remote Switch

The **H-Series BF**'s gas valve, located behind the lower trim, may be connected to a wall switch. The valve generates its own power on **a millivolt circuit. Use only low voltage wire, and DO NOT** connect any external power to it.

Refer to Figure 30 for wiring requirements.

Note: The switch location must not exceed 30' from the fireplace.

Finishing Around the Fireplace

Combustible mantels and mouldings may be safely installed over the top and on the front of the fireplace provided that they do not project beyond shaded area shown in **Figure 7**. Side wall clearances are 3". Combustible surrounds may be installed with 3" clearance to the side of the fireplace as shown in **Figure 8**.

Fireplace Facing

When selecting the finish material for your fireplace, it is important to remember the following: **THE PERFORATED VALVE COVER MUST NOT BE OBSTRUCTED IN ANY WAY - to do so restricts the air supply for the control compartments and heat exchanger it also prevents access for servicing controls.**

The face of the fireplace may be painted to match the room decor, provided you use a heat-resistant paint. Decorative facing must not extend past the fireplace opening at all, because it will interfere with the access to retainers for removal of glass door.

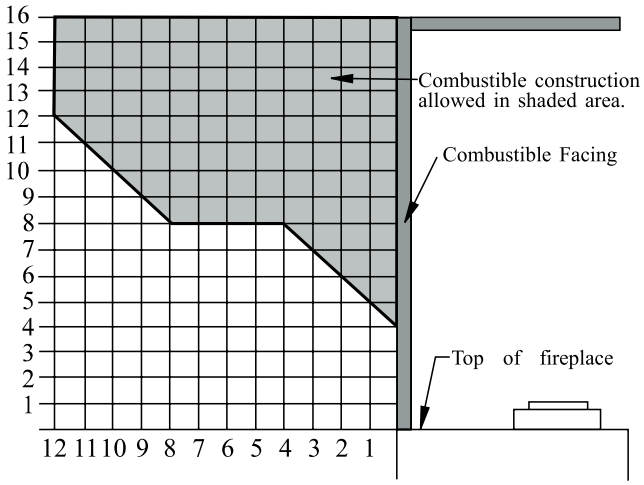


Figure 7. *Combustible mantles and facings.*

Mantels & Surrounds

NOTE: National Canadian Gas Association mantel test requirements are for fire hazard prevention to combustible materials.

New technology, to meet consumer and government demands for the wise use of energy, has prompted us to manufacture many models of fireplaces which are hot, fuel and energy efficient.

Please be aware; temperatures over the mantel will rise above normal room temperature and walls above fireplace may be hot to touch.

Warning:

When covering the upper metal portion of the fireplace with a non-combustible material Please Note: The decorative facing materials may be subject to temperatures in excess of 250° F. This should be considered when selecting facing materials.

We recommend careful consideration be given to the effects of elevated mantel temperatures which may be in excess of product design, for example: candles, plastic or pictures. This can cause melting, deformation, discoloration or premature failure of T.V. and radio components.

Painting:

Special care is recommended by the Master Painters and Decorators Association, when painting the fireplace surrounds, to select and apply a quality ***Alkyd sealer*** prior to the applying of latex paints. This is to prevent leaching of water from evaporation and causing a brownish staining effect to paint over coats.

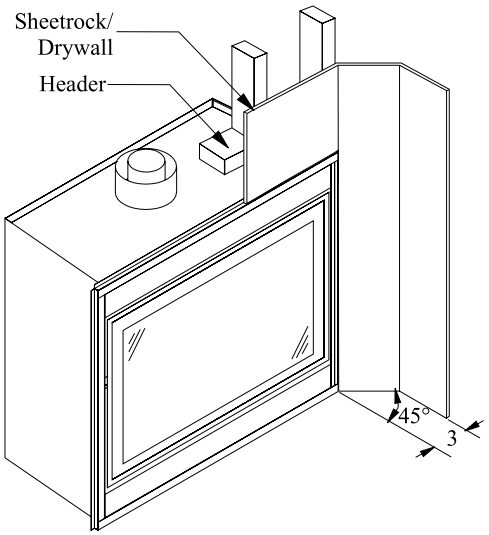


Figure 8. *Combustible surrounds.*

Installation

Wiring

Gas Control and Pilot Wiring

H-Series BF-I

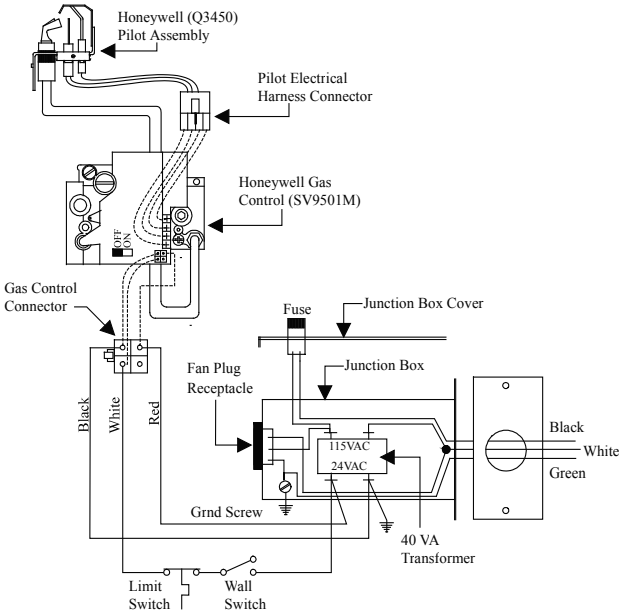


Figure 9. *Wiring for the H-Series BF-I with Honeywell gas control and pilot.*

Gas Control and Pilot Wiring

H-Series BF-A

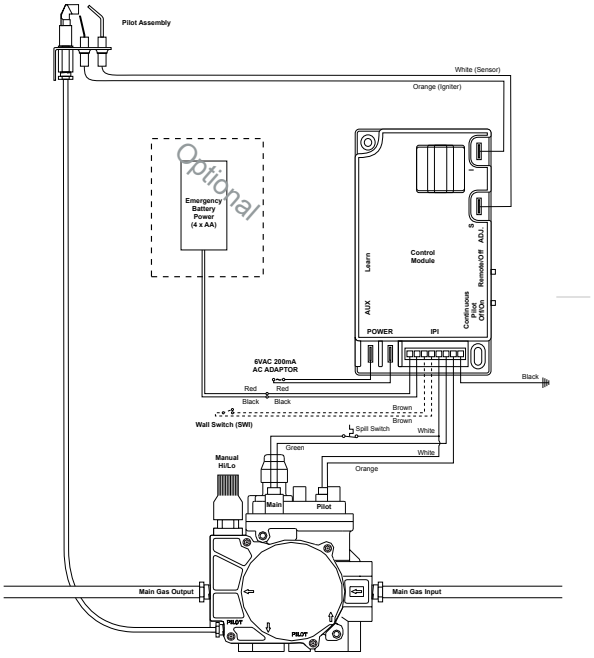


Figure 10. *Wiring for the H-Series BF-A with American Flame gas control and pilot.*

Installation

Wiring for the *optional* Fan Kit

All H-Series BF fireplaces may be equipped with optional fan kits for circulating heat into the living space.

Installations in Canada which employ the fans must be electrically grounded in accordance with **CSA C22.1** Canadian Electrical Code Part 1 and/or Local Codes.

Installations in the USA which employ the fans must be grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, **ANSI/NFPA 70-1987.**

For more information see the **Fan Kit Installation Guide** included with the fan kit.

NOTE: If any of the original wire supplied with the appliance is replaced, it must be replaced with the same type, or its equivalent.

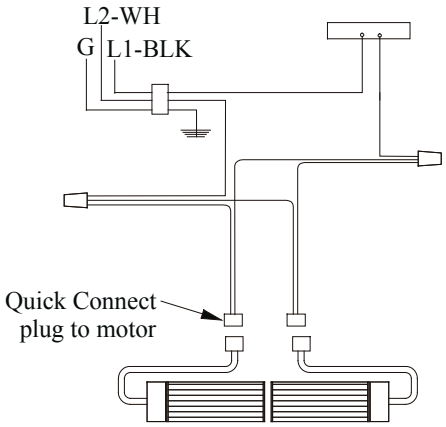


Figure 11. *Wiring for optional fans.*

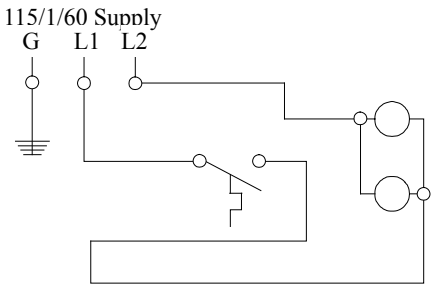


Figure 12. *Wiring schematic for optional fans.*

Removing and Installing the Door

Removing the door:

The door is held in place by a lip on the top of the metal frame and two buckles at the bottom. Release the buckles and lift the door carefully up and away from the front of the fireplace. *See figures 28a and 28b.*

Installing the door:

Hook the top edge of the door frame into place. Lower and rest the door frame in place and fasten the buckles. *See figures 28a and 28b.*

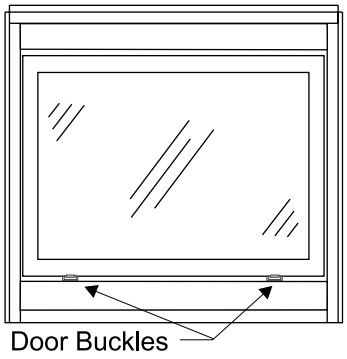


Figure 13a. *Removing and installing the glass door.*

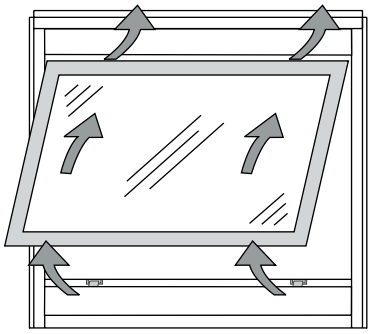


Figure 13b. *Removing and installing the glass door.*

H34BF

Installation

Installing the Log Set

Installing the Logs:

The **H-Series BF** is supplied with four ceramic fibre logs and a ceramic fibre logset base. Unpack the logs and handle them very carefully.

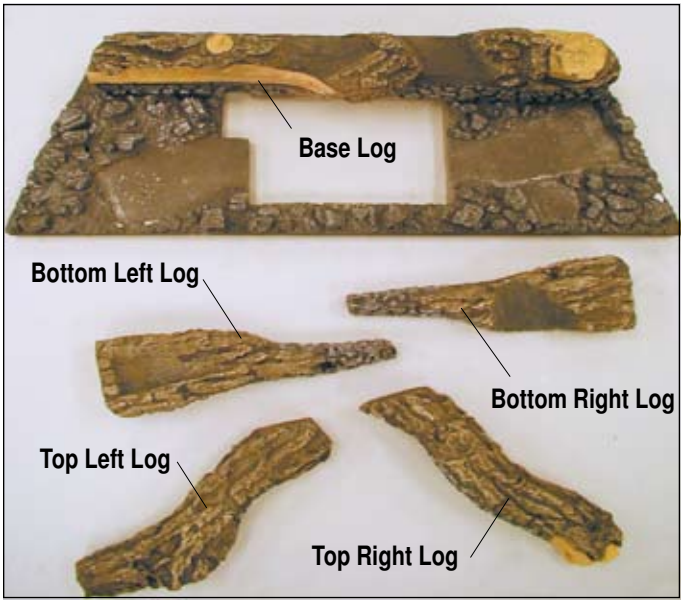


Figure 14a. *H-Series BF's five piece logset.*

1. Remove the glass door.
2. The base log is factory-installed, as shown below in figure 14b.

Figure 14b. *Base log placement.*

3. Arrange the ember chips on top of the burner tray. Care should be taken when placing the ember chips, as blocked burner ports may cause an incorrect flame pattern, carbon deposits and delayed ignition. Also, the chips must never be placed in a way that obstructs any of the air inlet ports, located at the rear of the burner, as shown in figure 14c.

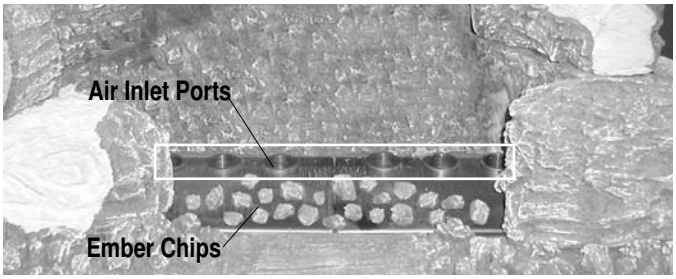


Figure 14c. *Ember Chip placement.*

3. Place the bottom left and right logs as shown below in figure 14d.
4. Place the top left and right logs as shown in figure 14e.

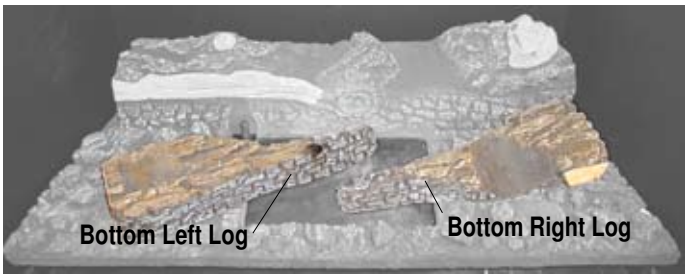


Figure14d. *Bottom left and right log placement.*

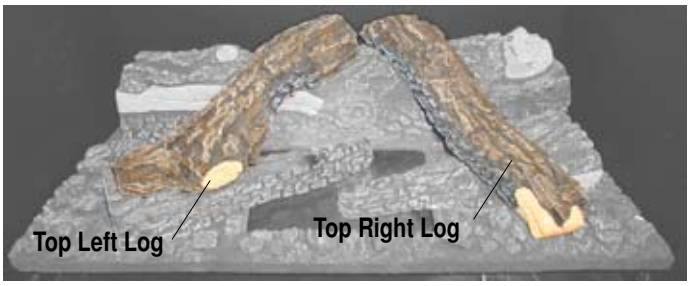


Figure 14e. *Top left and right log placement.*

5. Start the fireplace. If the flame appears satisfactory, replace the glass door. If the flame does not appear satisfactory, double-check the air inlet and exhaust outlet pipe to ensure that they are unobstructed.

Cautions:

- If logs are not placed properly, excessive sooting will result.
- The surface of the logs will crack due to the heat from the flames. This is a normal occurrence.

Part No. XG0145

H38BF H42BF

Installation

Installing the Log Set

Installing the Logs:

The **H-Series BF** is supplied with three ceramic fibre logs and a ceramic fibre logset base. Unpack the logs and handle them very carefully.

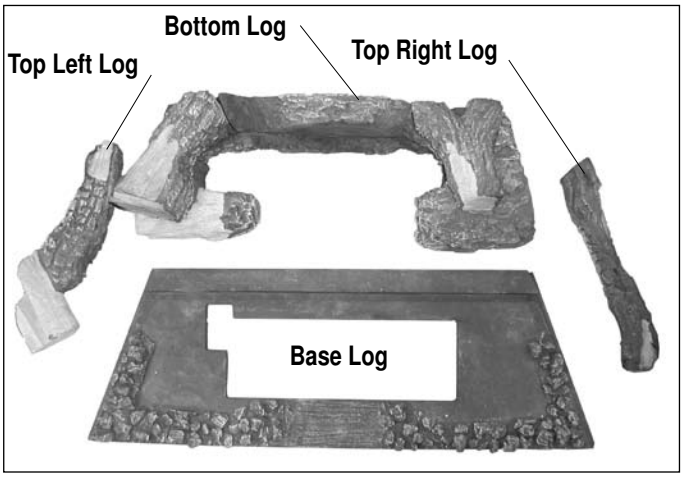


Figure 15a. *H-Series BF's four piece logset.*

1. Remove the glass door.
2. The base log is factory-installed, as shown below in figure 15b.
3. Place the bottom log as shown below in figure 15c.

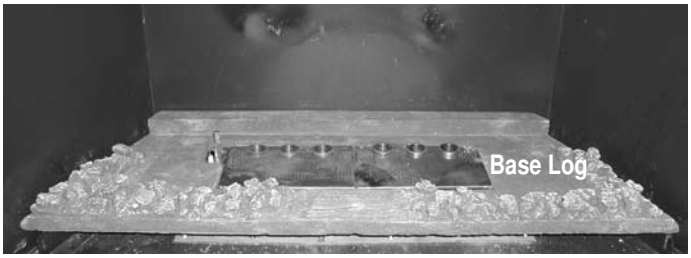


Figure 15b. *Base log placement.*

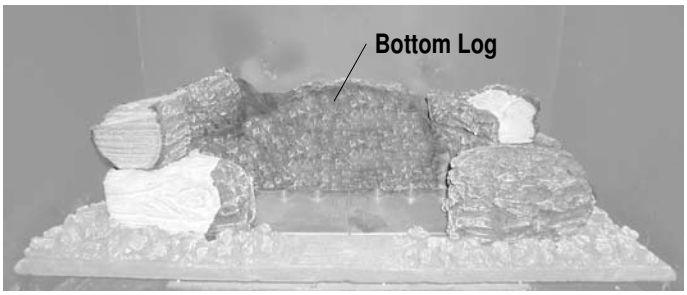


Figure 15c. *Bottom log placement.*

4. Arrange the ember chips on top of the burner tray, the ember chips may be placed to cover up to 50% of the burner ports/ burner pattern. However, the chips must never be placed in a way that obstructs any of the six air inlet ports, located at the rear of the burner, as shown in figure 15d.

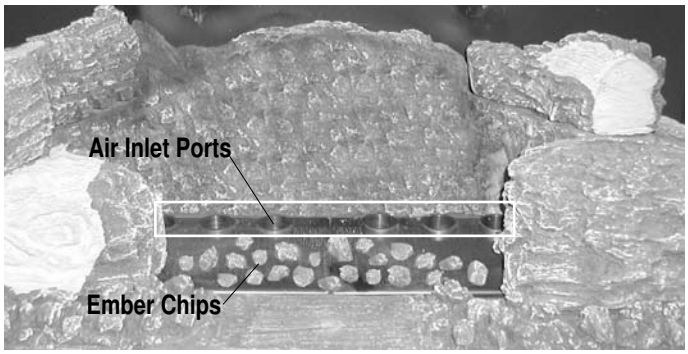


Figure 15d. *Ember Chip placement.*

5. Place the top left log as shown in figure 15e.
6. Place the top right log as shown below in figure 15f.
7. Start the fireplace. If the flame appears satisfactory, replace the glass door. If the flame does not appear satisfactory, double-check the air inlet and exhaust outlet pipe to ensure that they are unobstructed.

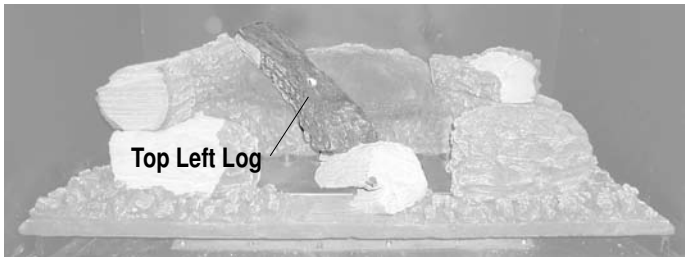


Figure 15e. *Top left log placement.*

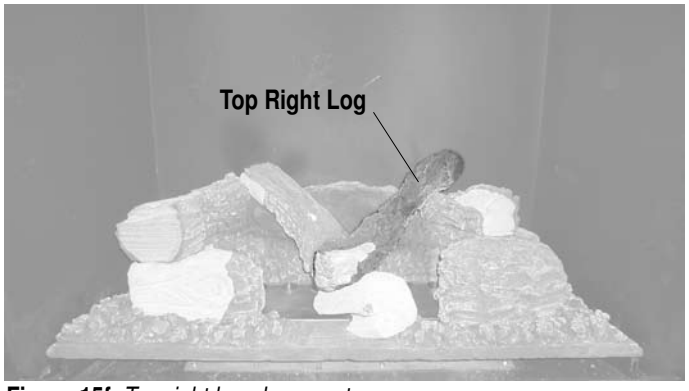


Figure 15f. *Top right log placement.*

Cautions:

- If logs are not placed properly, excessive sooting will result.
- The surface of the logs will crack due to the heat from the flames. This is a normal occurrence.

Operation - Model H-Series BF

with Continuous Pilot

For Your Safety - READ BEFORE LIGHTING:

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

What To Do If You Smell Gas:

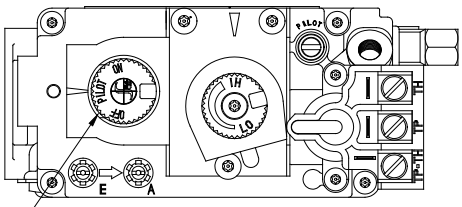
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the Fire Department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempt to repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system, and any gas control which has been under water.

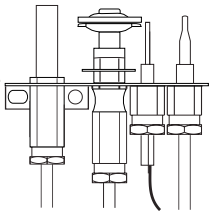
Lighting Instructions:

1. **STOP!** Read the safety information above on this label.
2. Flip down the lower trims.
3. Push in gas control knob and turn clockwise to "OFF."
4. Wait five (5) minutes to clear out any gas. Smell for gas, including near the floor. If you then smell gas, **STOP!** Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
5. Locate pilot burner *(See illustration at right.)* and follow steps below.
6. Turn knob on gas control counter clockwise to "PILOT."
7. Push in gas control knob completely and hold. Light with Piezo Igniter button. Continue to hold the control knob in for about (1) minute after the pilot is lit. Release the knob and it will pop back up. Pilot should remain lit. If it goes out repeat steps 3 through 8.
   - If knob does not pop up when released. Stop and immediately call your service technician or gas supplier.
   - If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.
8. Push in gas control knob and turn counter-clockwise to "ON."
9. Flip up the lower trim.
10. Turn on remote switch to ignite fire.



Gas Control Knob
(Shown in "Pilot" postion.)

NOTE: Gas control knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.



To Turn Off Gas To Appliance:

1. Turn off remote switch.
2. Flip down the lower trim.
3. Push in gas control knob slightly and turn clockwise to "Off". Do not force.
4. Flip up the lower trim.

Part No. XG0145

H-Series BF-I Operation - Model H-Series BF-I

with Honeywell Electronic Ignition

For Your Safety - READ BEFORE LIGHTING:

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance is equipped with an ignition system that lights the pilot burner automatically. **Do not attempt to light the pilot by hand.**

B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

What To Do If You Smell Gas:

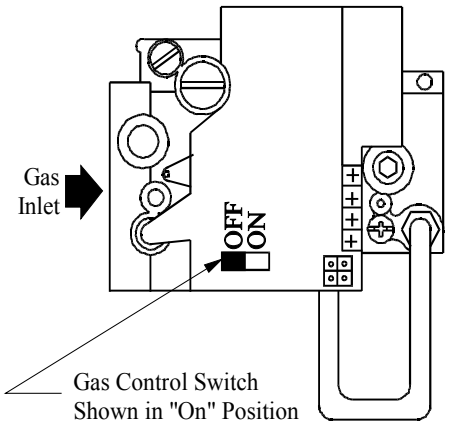
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the Fire Department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempt to repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system, and any gas control which has been under water.

Lighting Instructions:

1. **STOP!** Read the safety information above on this label.
2. Flip down the lower trims.
3. Turn switch on the gas control to OFF".
4. Wait 5 minutes to clear out any gas. If you smell gas, **STOP!** Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
5. Turn switch on the gas control to "ON". **NOTE:** This unit is equipped with an ignition system that lights the pilot burner automatically. **Do not attempt to light the pilot by hand.**
6. Turn on wall switch.
7. Flip up the lower trim.
8. If the fireplace does not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.



To Turn Off Gas To Appliance:

1. Turn off remote switch.
2. Flip down the lower trim.
3. Turn the switch on the gas control to "Off".
4. Flip up the trim.

B-Series BF-A Operation - Model B-Series BF-A

with American Flame Electronic Ignition

For Your Safety - READ BEFORE LIGHTING:

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance is equipped with an ignition system that allows for both continuous pilot operation as well as an electronic ignition that lights the pilot burner automatically. **Do not attempt to light the pilot by hand.**

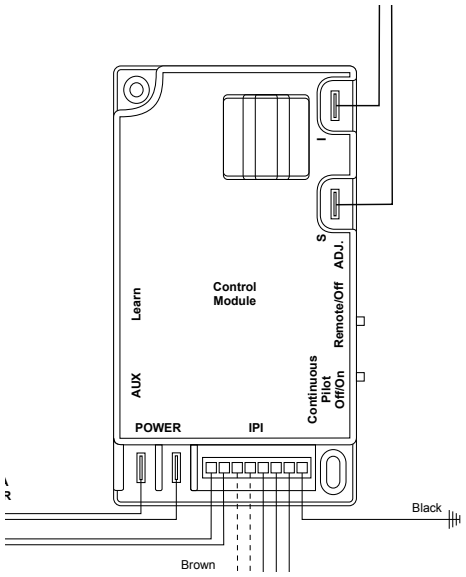
B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

What To Do If You Smell Gas:

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the Fire Department.

Lighting Instructions:

1. **STOP!** Read the safety information above on this label.
2. Flip down the lower trims.
3. If the switch on the control module is set to "Continuous Pilot Off" then the pilot will light when the appliance is turned on by the remote switch. When switched to "Continuous Pilot On" then the control module will attempt to light the pilot until it detects that the pilot has been successfully lit.
4. With the control module set to "Continuous Pilot Off" wait 5 minutes to clear out any gas. If you smell gas, **STOP!** Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
5. Turn switch on the control module to "Continuous Pilot On" This will initiate the lighting of the pilot. **NOTE:** This unit is equipped with an ignition system that lights the pilot burner automatically. **Do not attempt to light the pilot by hand.**
6. Turn on wall switch.
7. Flip up the lower trim.
8. If the fireplace does not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.
9. If you wish to operate the Fireplace without the Continous Pilot simply turn the switch on the control module to "Continuous Pilot Off" and follow instructions 6-8.



To Turn Off Gas To Appliance:

1. Turn off remote switch.
2. Flip down the lower trim.
3. Turn the switch on the Control Module to "Continuous Pilot Off".
4. Flip up the trim.

Part No. XG0145

Operation

Lighting Instructions

See pages 19 and 20.

Burner Adjustment

The H-Series BF is equipped with an adjustable burner, allowing you to raise or lower the flames. To adjust the flames, locate the black knob marked 'Hi-Lo', in the centre of the gas control valve (See Figure 16). The front burners are not adjustable.

- To raise the flame height, turn the black knob (located behind the lower trim) **counter-clockwise**.
- To lower the flame height, turn **clockwise**.

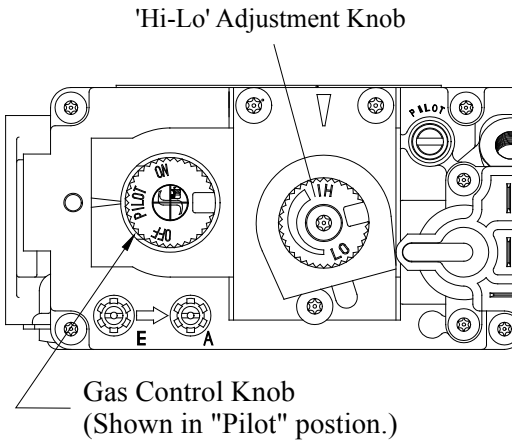


Figure 16a. *'Hi-Lo' Adjustment on the H-Series BF's gas valve.*

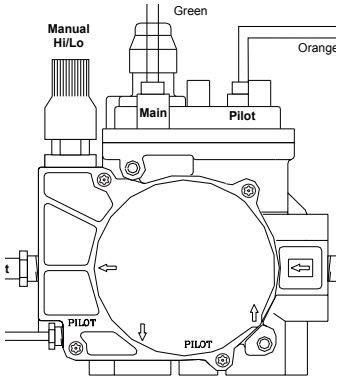


Figure 16b. *'Hi-Lo' Adjustment on the H-Series BF-A's gas valve.*

Note: *H-Series BF-I models (electronic ignition) do not feature hi/lo adjustment.*

CAUTIONS

- Fireplace gas control must be in the “OFF” position and pilot and main burners extinguished when cleaning appliance with a vacuum.
- Doors and logs can get very hot. Handle only when cool.

Maintenance

General

- **Have the fireplace and installation inspected yearly**. The inspection must include, but is not limited to, the following:
  - A visual check of the entire vent system and termination.
  - An inspection of the explosion relief flappers and the door gasketing to ensure a proper seal.
  - An inspection of the burner, venturi, and primary air openings.
  - An inspection of the gas valve, gas components, and pilot flame. For your convenience a 1/8" manifold pressure tap is supplied on the gas valve for a test gauge connection. See Figure 32.
  - Ensure proper log placement as per this manual.
  - Inspection of all optional equipment; fans, thermostats, etc.
- For **Natural Gas** this appliance requires a minimum inlet pressure of 5.5" W.C. and a manifold pressure of 3.5" W.C.
- For **Propane Gas** this appliance requires a minimum inlet pressure of 11" W.C. and a manifold pressure of 10" W.C.
- Always keep the fireplace area clear and free of combustible materials, as well as gasoline and other flammable vapors and liquids.
- Do not use this appliance if *any part has been under water*. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

Cleaning

When the fireplace is first activated, there may be some smoking and a visible film may be left on the glass. This is a normal condition, and is the result of burning of protective coatings on new metal.

- Glass must be cleaned periodically to remove any film (which is a normal by-product of combustion) which may be visible. Film can easily be removed by removing the door, as shown on page 12. Handle the door carefully, and clean it with non-abrasive glass cleaners. One of the most effective products is Kel Kem.
- Silicone seals on inner door during initial firing will "off gas", leaving a visual deposit of a white substance on combustion chamber walls. This can easily be removed using normal household products.
- Use a vacuum cleaner or whisk broom to keep the control compartment, burner, and firebox free from dust and lint.
- Logs may be cleaned periodically with a vacuum to remove soot or other contaminates.

WARNING:

Do not attempt to clean glass when hot.

Do not clean glass with abrasive materials as any glass etching may cause premature glass failure.

Maintenance

Gas Control Valve

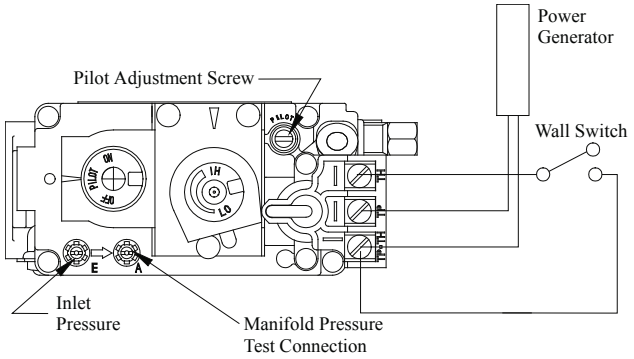


Figure 17. ***Sit Nova 820*** *gas valve.*

Pilot Burner Adjustment

1. Locate Pilot Adjustment Screw. *(See figure 18)*
2. Adjust pilot screw to provide properly sized flame as shown in *figure 18).*
3. After installing or servicing, leak test with a soap solution with main burner on. Coat pipe and tubing joints, gasket etc. with soap solution. Bubbles indicate leaks. Tighten any areas where the bubbles appear until the bubbling stops completely.

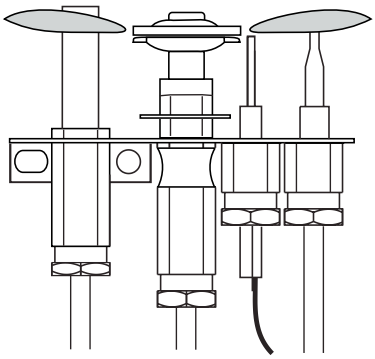


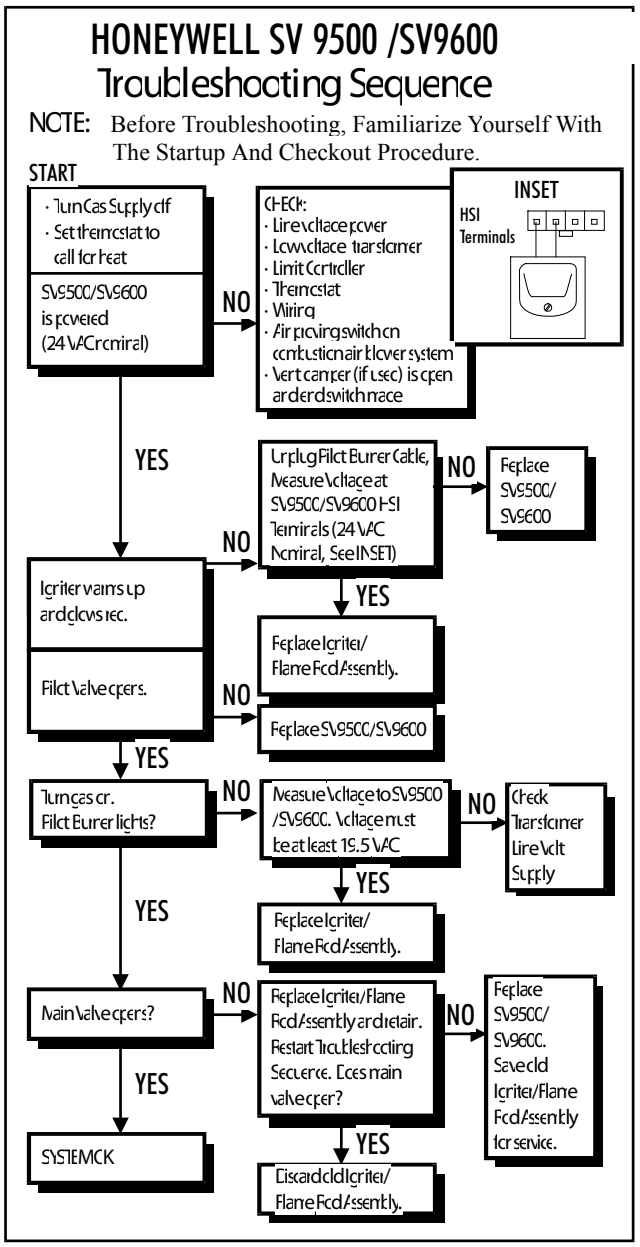
Figure 18. *Pilot Burner.*

Troubleshooting H-Series BF

The following is a troubleshooting chart of possible problems:

PROBLEM	CORRECTIVE ACTION
Noisy Pilot Flame	Locate pilot adjustment screw on gas control valve. Flame is decreased by turning adjustment screw clockwise.
Pilot won't ignite	Disconnect remote wires and try to light pilot. If pilot now works, remote connections are faulty. Check wiring diagram *figure* **9.**
Main burner will not light	1. Check wiring (*see figure 9*). 2. Check wall switch for proper connection.

Troubleshooting H-Series BF-I



If your fireplace still does not operate correctly, consult your dealer or the manufacturer.

All service and repairs should be performed by a qualified agency.

All spare parts, optional fans, and optional trim finishes are available from your local dealer or the manufacturer.

Part No. XG0145

Warranty

The Warranty

The Companies warrants the Montigo Gas Appliance to be free from defects in materials and workmanship at the time of manufacture. On the Montigo, there is a ten-year warranty on the firebox and its components, a five-year warranty on the main burner and pilot burner, and a one-year warranty on the gas control valve and fibre logs. Glass, plated/painted finishes, and refractory lining are exempt.

Remedy And Exclusions

The coverage of this Warranty is limited to all components of the Gas Appliance manufactured by The Companies.

This Warranty only covers Montigo Gas Appliances installed in the United States or Canada.

If the components of the Gas Appliance covered by this Warranty are found to be defective within the time frame stated (see The Companies right of investigation outlined below). The Companies will, at its option, replace or repair defective components of the Gas Appliance manufactured by The Companies at no charge, and will also pay for reasonable labour costs incurred in replacing or repairing components. If repair or replacement is not commercially practical, The Companies will, at its option, refund the purchase price of the Montigo Gas Appliance.

This Warranty covers only parts and labour as provided above. In no case shall The Companies be responsible for materials, components, or construction which are not manufactured or supplied by The Companies, or for the labour necessary to install, repair or remove such materials, components or construction. All replacement or repair components will be shipped F.O.B. the nearest The Companies factory.

Qualifications To The Warranty

The Gas Appliance Warranty outlined above is further subject to the following qualifications:

(1) The Gas Appliance must be installed in accordance with The Companies installation instructions and local building codes. The Warranty on this Montigo Gas Appliance covers only the component parts manufactured by The Companies. The use of components manufactured by others with this Montigo Gas Appliance could create serious safety hazards, may result in the denial of certification by recognized national safety agencies, and could be in violation of local building codes. This warranty does not cover any damages occurring from the use of any components not manufactured or supplied by The Companies

(2) The Montigo Gas Appliance must be subjected to normal use. The Gas Appliances are designed to burn gas only. Burning conventional fireplace fuels such as wood, coal or any other solid fuel will cause damage to the Gas Appliance, will produce excessive temperatures and will result in a fire hazard.

Limitations On Liability

It is expressly agreed and understood that The Companies sole obligation, and purchaser's exclusive remedy under this Warranty, under any other warranty, expressed or implied, or in contract, tort or otherwise, shall be limited to replacement, repair, or refund, as specified above.

In no event shall The Companies be responsible for any incidental or consequential damages caused by defects in its products, whether such damage occurs or is discovered before or after replacement or repair, and whether or not such damage is caused by The Companies negligence. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. The duration of any implied warranty with respect to this Montigo Gas Appliance is limited to the duration of the foregoing warranty. Some states do not allow limitation on how long an implied warranty lasts, so the above may not apply to you.

Investigation Of Claims Against Warranty

The Companies reserves the right to investigate any and all claims against this Warranty and to decide upon method of settlement.

The Companies Are Not Responsible For Work Done Without Written Consent

The Companies shall in no event be responsible for any warranty work done without first obtaining The Companies written consent.

Dealers Have No Authority To Alter This Warranty

The Companies employees and dealers have no authority to make any warranties nor to authorize any remedies in addition to or inconsistent with those stated above.

How To Register A Claim Against Warranty

In order for any claim under this Warranty to be valid, The Companies must be notified of the claimed defect in writing or by telephone, as soon as reasonably possible after the defect is discovered. Claims against this Warranty in writing should include the date of installation, and a description of the defect.

Other Rights

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

NOTE: *The Companies* as stated above refer to - Canadian Heating Products Inc. and/or Montigo Del Ray Corp.

Canadian Heating Products Inc. and/or Montigo DelRay Corp. reserves the right to make changes at any time, without notice, in design, materials, specifications, prices and also to discontinue colors, styles and products.

Maintenance

Spare Parts - H-Series BF

	H34BF	H38BF	H42BF
NG Gas Valve SIT	RGC1006	RGC1006	RGC1006
LP Gas Valve SIT	RGC1005	RGC1005	RGC1005
NG & LP Gas Valve AF	RGC3016	RGC3016	RGC3016
NG Gas Valve HIS	RGC1004	RGC1004	RGC1004
LP Gas Valve HIS	RGC1003	RGC1003	RGC1003
NG Pilot SIT	RPA020	RPA020	RPA020
LP Pilot SIT	RPA021	RPA021	RPA021
NG Pilot SIT for AF	RPA030	RPA030	RPA030
LP Pilot SIT for AF	RPA031	RPA031	RPA031
NG Pilot PSE for AF	RPA032	RPA032	RPA032
LP Pilot PSE for AF	RPA033	RPA033	RPA033
NG Pilot HIS	RPA03	RPA03	RPA03
LP Pilot HIS	RPA04	RPA04	RPA04
Thermocouple SIT	RTC182	RTC182	RTC182
Interrupted Thermocouple Block	RGC2034	RGC2034	RGC2034
Burner NG SIT	RBH34B01	RBH38B01	RBH42B01
Burner LPG	RBH34B02	RBH38B02	RBH42B02
Burner NG AF	RBH34B15	RBH38B15	RBH42B15
Burner LPG AF	RBH34B16	RBH38B16	RBH42B16
Burner NG HIS	RBH34B07	RBH38B07	RBH42B07
Burner LPG HIS	RBH34B08	RBH38B08	RBH42B08
Fan Kit-Heat Activated	HFK34H	HFK34H	HFK34H
Burner Orifice NG	ROR1141	ROR1143	ROR1145
Burner Orifice LPG	ROR1142	ROR1144	ROR1146
Door	RDTH34	RDTH38	RDTH42
Log Set	RLGSH34	RLGSH38	RLGSH42
Log Base	RLGSH34B	RLGSH38B	RLGSH42B
Spill Switch	RSHL15B	RSHL16B	RSHL17B
Fan Sensor	RHFS130	RHFS130	RHFS130

Notes

Notes

Notes

XG0150

Canadian Heating Products Inc.
Langley, BC V4W 4A1

Montigo Del Ray Corp.
Ferndale, WA 98248